

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1-65. (Canceled).

66. (Currently amended) An isolated or purified polypeptide, said polypeptide comprising a fragment ~~or variant of~~ *Staphylococcus aureus* (*S. aureus*) DnaG primase set forth in SEQ ID NO: 2, wherein said fragment comprises amino acids 530380 to 599 polypeptide ~~comprises less than 566 amino acids of~~ SEQ ID NO: 2, and wherein said polypeptide binds a bacteriophage polypeptide comprising SEQ ID NO:4.

67-70. (Canceled).

71. (Currently amended) The isolated or purified polypeptide of claim ~~66~~70, wherein said polypeptide fragment is selected from the group consisting of amino acids 229 to 599 of SEQ ID NO: 2 and amino acids 380 to 599 of SEQ ID NO: 2 ~~residues 35-599, residues 229-599, residues 380-599, residues 449-599, residues 490-599, residues 530-599, and residues 561-599~~ from SEQ ID NO: 2.

72. (Currently amended) A composition comprising a first isolated or purified polypeptide ~~domain~~ and a second isolated or purified polypeptide ~~domain~~, wherein said first polypeptide domain and said second polypeptide domain specifically bind each other, wherein said first polypeptide comprises SEQ ID NO: 6 ~~domain is derived from *S. aureus* DnaG primase set forth in SEQ ID NO: 2,~~ and wherein said second ~~domain is derived from a bacteriophage~~

polypeptide comprises SEQ ID NO:4~~that binds *S. aureus* DnaG primase set forth in SEQ ID NO:~~
2.

73-85. (Canceled).

86. (Currently amended) An isolated or purified polypeptide comprising an amino acid sequence having at least 95% identity over the entire length of SEQ ID NO: 2, wherein said isolated or purified polypeptide binds a polypeptide comprising SEQ ID NO:4.

87. (Currently amended) An isolated or purified polypeptide comprising an amino acid sequence having at least 97% ~~95%~~ similarity over the entire length of SEQ ID NO: 2, wherein said isolated or purified polypeptide binds a polypeptide comprising SEQ ID NO:4.

88. (Previously presented) An isolated or purified polypeptide consisting essentially of the amino acid sequence of SEQ ID NO: 2.

89-90. (Canceled).

91. (Currently amended) An isolated or purified primase, wherein said primase comprises an amino acid sequence selected from the group consisting of:

(a) ~~an amino acid sequence having at least 92% identity over the entire length of amino acids 1 to 34 of SEQ ID NO: 2;~~

(b) ~~an amino acid sequence having at least 95% identity over the entire length of amino acids 1 to 50 of SEQ ID NO: 2;~~

(c) ~~an amino acid sequence having at least 97% identity over the entire length of amino acids 1 to 50 of SEQ ID NO: 2;~~

(~~a~~) an amino acid sequence having at least 95% identity over the entire length of SEQ ID NO: 2;

(~~b~~) an amino acid sequence having at least 97% ~~95%~~-similarity over the entire length of SEQ ID NO: 2; and

(~~c~~) an amino acid sequence set forth in SEQ ID NO: 2;
and wherein said primase ~~possess~~ possesses a biological activity selected from the group consisting of activation of DNA polymerase activity, RNA primase activity, stimulation of helicase activity of *S. aureus* DnaC helicase, and stimulation of ATPase activity of *S. aureus* DnaC helicase.

92-104. (Canceled).

105. (New) An isolated or purified polypeptide comprising the amino acid sequence of SEQ ID NO: 2.

106. (New) An isolated or purified fragment of *Staphylococcus aureus* DnaG primase set forth in SEQ ID NO: 2, wherein said fragment binds a polypeptide comprising SEQ ID NO:4, and wherein said fragment is selected from the group consisting of amino acids 229 to 599 of SEQ ID NO:2 and amino acids 380 to 599 of SEQ ID NO:2.

107. (New) An isolated or purified polypeptide comprising an amino acid sequence having at least 95% identity over the entire length of SEQ ID NO: 2, wherein said isolated or purified polypeptide possesses a biological activity selected from the group consisting of: activation of DNA polymerase activity, RNA primase activity, stimulation of helicase activity of *S. aureus* DnaC helicase, and stimulation of ATPase activity of *S. aureus* DnaC helicase.

108. (New) An isolated or purified polypeptide comprising an amino acid sequence having at least 97% similarity over the entire length of SEQ ID NO: 2, wherein said isolated or purified polypeptide possesses a biological activity selected from the group consisting of: activation of DNA polymerase activity, RNA primase activity, stimulation of helicase activity of *S. aureus* DnaC helicase, and stimulation of ATPase activity of *S. aureus* DnaC helicase.